

Title (en)

Method for performing a biochemical analysis, in particular in space

Title (de)

Verfahren zur Durchführung einer biochemischen Analyse, insbesondere im Weltraum

Title (fr)

Procédé de réalisation d'une analyse biochimique, notamment dans l'espace

Publication

EP 2700948 A1 20140226 (DE)

Application

EP 13175746 A 20130709

Priority

DE 102012107651 A 20120821

Abstract (en)

Performing a biochemical analysis, preferably in space with at least one analyte in a sample (12a) qualitatively and/or quantitatively by a selective binding of an analyte specific pair of a binding substance (14a), which fixes the analyte, and a detection substance (20a) that carries a marker substance for marking the analyte, comprises mixing the sample carrying the binding substance, the detection substance and the marking substance in a reaction vessel (26a), where the mixing step is carried out by mixing bodies (18a). An independent claim is included for an apparatus comprising a body for mixing the sample, the binding substance and the detection substance.

Abstract (de)

Die Erfindung geht aus von einem Verfahren zur Durchführung einer biochemischen Analyse, insbesondere im Weltraum, bei der zumindest ein Analyt in einer Probe (12a-e) qualitativ und/oder quantitativ mittels einer selektiven Bindung eines analytspezifischen Paares aus einer Bindesubstanz (14a - e, 16b - e) und einer Detektionssubstanz (20a - e, 22b - e) an den Analyten und einer Markierung durch eine Markersubstanz bestimmt wird, und wobei in einem Verfahrensschritt eine Durchmischung der Probe (12a-e), der Bindesubstanz (14a - e, 16b - e), der Detektionssubstanz (20a - e, 22b - e) und der Markersubstanz in einem Reaktionsgefäß (26a-e) erfolgt. Es wird vorgeschlagen, dass die Durchmischung mittels Mischungskörpern (18a; 18d; 18e, 30b-c, 32b-c) bewirkt wird.

IPC 8 full level

G01N 33/537 (2006.01); **G01N 33/543** (2006.01)

CPC (source: CN EP US)

G01N 33/5306 (2013.01 - US); **G01N 33/537** (2013.01 - CN EP US); **G01N 33/54326** (2013.01 - CN EP US); **G01N 2035/00336** (2013.01 - US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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